INDEX TO VOLUME 16

Names of new taxa in italics

A

Acalypha setosa, 39
Acer pennsylvanicum, 59; rubrum, 59; saccharum, 59; spicatum, 59
Achillea millefolium, 2
Aconitum uncinatum, 63
Aesculus octandra, 59
Ailanthus altissima, 58
Alabama, mosses of King Cove, Lawrence County, 19
Aleurites fordii, 40
Algae of the western Great Lakes Area (review), 145
ALLARD, H. A., The ratios of clockwise and counter-clockwise spirality observed in the phyllotaxy of some wild plants, 1; Narcissus poetaz Hort. naturalized in Virginia, 109; white-flowered form of Bluebells (Mertensia virginica), 112; Drying herbarium specimens slowly or rapidly, 129; Carex pauciflora in West Virginia, 145
Alliaria officinalis, 2
Allium microscordion, 36
Alnus serrulata, 3, 54
Amelanchier arborea, 67; laevis, 57; sanguinea, 57
Ammi majus, 41
AMMONS, NELLE, An introduction to the anatomy of seed plants (review), 81; A new edition of a familiar text (review), 149
Amphicarpa bracteata, 74
Anacharis canadensis, 86; densa, 86; nuttallii, 87
Anomodon attenuatus, 21; A. rostratus, 21
Apium leptophyllum, 41
Arachis hypogaea, 39
Aralia spinosa, 60
Arenaria patula, 38
Aristolochia durior, 55
Armstrong, G. M., 72
Arndt, C. H., 72
ARNOLD, LILLIAN E., Proposed Checklist of Southeastern Plants, 75
Aronia melanocarpa, 57; prunifolia, 57
ARTZ, LENA, Xerophyllum asphodeloides (L.) Nutt. in the Massanutten Mountains in Virginia, 124
Asimina triloba, 56
Athyrium filix-femina var. asplenioides f. *ellipticum*, 71
Atrichum undulatum, 22; xanthopelma, 22
AYRES, MARION A. (with WILLIAM R. JENKINS), The Mountain Oat Grass Communities of the region of Mountain Lake, Virginia, 92
Azolla caroliniana in Maryland, 143

B

Baptisia tinctoria, 63
BARNETT, H. L., A new book on the Hydnaceae, 80
BARTHOLOMEW, ELIZABETH ANN, The genus Botrychium in West Virginia, 135
Bartramia pomiformis, 20
BENNETT, HERALD D., Algae of the western Great Lakes Area (book review), 145
Berberis thunbergii, 56
Betula lenta, 54; B. lutea, 54
Bidens discoidea, 45
Bird-visited flowers, Red and the Red-kin[d] Colors in, 105
Bogs of the Southern Appalachians, 75
Book reviews, 25, 80, 81, 82, 145, 148, 149
Borreria laevis, 45
Botrychium, The genus, in West Virginia, 135
Botrychium dissectum, 135; f. obliquum, 136; f. oneidense, 136; f. *confusum*, 136; lanceolatum, 136; matricariaefolium, 135; simplex, 135; virginianum, 136
Bumelia thornei, 42

C

Cabomba caroliniana, 90
Callitriche peploides, 40
Calycanthus floridus, 56
CAMP, W. H., On the proposed checklist of Southeastern Plants, 112
Campylium chrysophyllum, 21; hispidulum, 21
Campylopus flexuous, 20
Canna indica, 37
Carex buxbaumi, 63; decomposita, 33; gracilescens, 63; hystricina, 64; oligocarpa, 33; pauciflora, 145; physorhyncha, 33; plantaginea, 18; straminea, 33; striatula, 63; umbellata, 63
Carpinus caroliniana, 54
Carya cordiformis, 54; glabra, 54; ovalis, 54; ovata, 54; tomentosa, 54
Cassia hebecarpa, 3
Castanea dentata, 55
Celastrus scandens, 59

Celtis occidentalis, 55
Centaurea cyanus, 46
Ceratophyllum demersum, 89; echinatum, 89
Cercis canadensis, 58
Chaiara quercina, 115
Chamberlania acuminatum, 21
Checklist of Southeastern plants, Proposed, 75
Chenopodium album, 2; carinatum, 37
Christenberry, G. A., 73
Chrysopsis oligantha, 45
Cinnamomum camphora, 38
Cirriphyllum boscii, 21
Clematis virginiana, 55
Clerodendron bungei, 43
Clethra acuminata, 60
Climacium americanum, 20
Clintonia alleghaniensis, 64
Commelina communis, 36
Corallorhiza wisteriana, 64
CORE, EARL L., Joseph E. Harned, 78; The Revised Grass Manual, 82; Danske Dandridge, 138; A new taxonomy textbook (review), 148
Coreopsis basalis, 46; tinctoria, 46
Cornus alternifolia, 60; amomum, 60; florida, 60; racemosa, 60
CORRELL, DONOVAN S., with Fernald and Long in southeastern Virginia, 117
Corylus americana, 54
Cosmos bipinnatus, 46
Crataegus Margaretta, 64; pedicellata, 57; succulenta, 64; uniflora, 64
Crotalaria mucronata, 39; retus, 39; spectabilis, 39
Cuphea carthagensis, 41
Cuscuta rostrata, 64

D

Danske Dandridge, biography, 138
DANSKE DANDRIDGE, Spring in West Virginia (reprinted), 140
Danthonia compressa, 92
DAVIS, H. A. and TYREECA DAVIS, Rubus concentrations along the West Virginia-Maryland border, 101
Delphinium ajacis, 38
Dennstaedtia punctilobula f. *recurvata*, 68, 70
Dicentra cucullaria, 18
Dicranodontium denudatum, 20
Dicranum scoparium, 20
Digitaria violascens, 32
Diphyscium cumberlandianum, 21; foliosum, 22
Draba verna, 63
Dryopteris intermedia var. fructuosa f. *furcata*, 68, 70; intermedia f. *sparsifrondosa*, 68, 71; thelypteris var. pubescens f. *Haleana*, 71
DUNCAN, WILBUR H., Presenting Southern Appalachian Botanists; Brief sketches of South Carolina Botanists, 72

E

Echinodorus cordifolius, 85; rostratus, 32
Eleocharis equisteoides, 88; nodulosa, 34
Epigaea repens, 61
Eragrostis glomerata, 32
Eulophia ecristata, 37
Eupatorium maculatum, 63
Euphorbia hirta, 40; hyssopifolia, 40; prostrata, 40

F

Fagus grandifolia, 54
Fernald, M. L., in southeastern Virginia, 117-123
Filipendula rubra, 74
Fissidens cristatus, 20; polypoides, 20; subbasilaris, 20
Forestiera porulosa, 42
Fraxinus americana, 61; pennsylvanica, 61
FREEMAN, OLIVER M., Corncerning some 1947 plant collections, 74

G

Gaillardia pulchella, 46
Galactia floridana, 38
Gaultheria procumbens, 61
Gaura parviflora, 41
Gaylussacia baccata, 61; mosieri, 41
Georgia, Three additions to the flora of, 18; vascular plants previously unreported from, 29-48
Gleditsia triacanthos, 58
Glyceria acutiflora, 63
Grass Manual, The Revised (review), 82
Graybill, Henry Blair, obituary, 77
Great Smoky Mountains, Spring Wild Flower Pilgrimage, 75
Gymnocladus dioica, 58

H

Hamamelis virginiana, 56
Harned, Joseph E., obituary, 78
HARPER, ROLAND M., Death of W. Wolf, 23
HARVILL, A. M., The mosses of King Cove, Lawrence County, Alabama, 19
Helianthus cucumerifolius, 46
Hemerocallis fulva, 36
Herbarium specimens, drying, 129
Heteranthera reniformis, 89
Hibiscus syriacus, 60
Hookeria acutifolia, 21

Hottonia inflata, 91
HUNNEWELL, F. W., New plant records for West Virginia, 63
Hynaceae, a new book on the (review), 80
Hydrangea arborescens, 56, 64
Hughes, M. B., 73
Hygraphila lacustris, 45
Hypericum spathulatum, 60
Hypnum curvifolium, 21
Hypochaeris brasiliensis, 46
Hyptis mutabilis, 43

I

Ilex collina, 126; montana, 59; verticillata, 59
Ipomoea lacunosa, 42
Iresine rhizomatosa, 37

J

Jasminum mesnyi, 42
JENKINS, WILLIAM R. and MARION A. AYRES, The mountain oat grass communities of the region of Mountain Lake, Virginia, 92
JENNINGS, O. E., Warren R. Witz (Obituary), 142
Juglans cinerea, 54; nigra, 54
Juniperus virginiana, 53

K

Kalmia latifolia, 61
Kentucky, Distribution of mistletoe in, 7
Kosteletzkya virginica var. aquilonia f. *alba*, 128

L

Lagenaria siceraria, 45
Lantana montevidensis, 43
Laportea canadensis, 2
Larisey, Mary M., 73
Lathyrus palustris, 63
Lespedeza cuneata, 39
Leucobryum albidum, 20; glaucum, 20
Leucodon julaceus, 21
Ligustrum lucidum, 42; sinense, 42
Limnobium spongia, 87
Lindera benzoin, 56
Lippia lanceolata, 43
Liriodendron tulipifera, 55
Long, Bayard, in southeastern Virginia, 117-123
Lonicera dioica, 63
Ludwigia spathulata, 41
Lupinus angustifolius, 39
Lycopodium complanatum var. flabelliforme f. *recurvatum*, 66, 71
Lyonia ligustrina, 61

M

McCAULEY, O. D., The woody plants of Cooper's Rock State Forest, 49
McDONALD, HENRY T., T. C. Stotler, 22
McDOWELL, G. W., Three additions to the flora of George from the Blue Ridge Mountains, 18
Magnolia acuminata, 55
Malus coronaria, 57; pumila, 57
Malvaviscus drummondii, 40
Manihot esculenta, 40
Maryland, New or unusual forms of ferns from, 65; Rubus concentrations along the West Virginia border, 101; Tussilago farfara in, 111; Azolla caroliniana in, 143
Matelea alabamensis, 42
Matthews, Velma D., 73
Melanthium hybridum, 64
Menispermum canadense, 56
Mentha arvensis, 64
Mertensia virginica f. *alba*, 112
Micromeria pilosiuscula, 43
Mistletoe, distribution in Kentucky, 7-15
Mitchella repens, 61
Mitella diphylla, 18
Mittenothamnium diminutivum, 21
Mnium affine, 20; cuspidatum, 20; longirostre, 20; punctatum, 20
Morus rubra, 55
Mosses of King Cove, Lawrence County, Alabama, 19
Myriophyllum pinnatum, 41, 90

N

Najas conferta, 32
Narcissus poetaz Hort. naturalized in Virginia, 109
Nelumbo lutea, 90
New York, Late flowering dates of some common plants of Rockland county, 16
Nierembergia frutescens, 44
North Carolina, Distribution of some rarely collected vascular aquatic plants in, 85
Nyssa sylvatica, 60

O

Oak Wilt found in West Virginia, 115
Opuntia ficus-indica, 41
Ostrya virginiana, 54
Oxydendron arboreum, 61

P

Panicum amarulum, 32; caerulescens, 32; chrysopidifolium, 32; condensum, 33; curtifolium, 33; equilaterale, 32; ovale, 32; polycaulon, 33; spretum, 33

Parkinsonia aculeata, 39
Parthenocissus quinquefolia, 59
Pennsylvania, New or Unusual forms of ferns from, 65
Petersen, D. H., 72
Philadelphus coronarius, 56
Phlox bifida subsp. *stellaria*, 99; maculata subsp. *pyramidalis*, 100; subulata subsp. *australis*, 98; subsp. *brittonii*, 98
Phoradendron flavescens, 7
Phyllotaxy, 1-6
Physocarpus opulifolius, 57
Phytolacca americana, 2
Picea rubens, 53
PICKENS, A. L., Red and the Red-kin Colors in Bird-visited flowers, 105
Pinus resinosa, 53; rigida, 53, strobus, 53
Plant World (book review), 149
Platanus occidentalis, 57
Pohlia wahlenbergia, 20
Polygala leptostachys, 39; nuttallii, 39; polygama, 63
Polygonum hydropiper, 2
Polystichum acrostichoides f. *demittens*, 65, 66; f. multifidum, 69; f. recurvatum, 65, 66; f. *spathiforme*, 69
Populus grandidentata, 54
Porotrichum alleghaniense, 21
Potamogeton illinoensis, 31; nodosus, 31; pusillus, 31
Prenanthes trifoliata, 64
Prunus americana, 58; avium, 58; pennsylvanica, 58; persica, 58; serotina, 58; virginiana, 58
Pyrularia pubera, 55
Pyrus communis, 58

Q

Quercus alba, 55; borealis, 55; coccinea, 55; macrocarpa, 74; montana, 55; muehlenbergii, 55; velutina, 55

R

RADFORD, ALBERT E., Distribution of some rarely collected vascular aquatic plants in North Carolina, 85
Raphanus raphanistrum, 38
REED, CLYDE, F., New or unusual forms of ferns from Maryland and Pennsylvania, 65; An early record of Tussilago farfara in Maryland, 111; A white form of the Seashore Mallow, Kosteletzkya virginica, 128; Azolla caroliniana in Maryland, 143
REED, CLYDE F. and PRISCILLA G., Host distribution of mistletoe in Kentucky, 7
Rhodobryum roseum, 20
Rhododendron arborescens, 61; calendulaceum, 61; maximum, 61; nudiflorum, 61; viscosum, 61
Rhynchospora decurrens, 34; intermixta, 35
Rhus copallina, 59; glabra, 3, 58; radicans, 59; typhina, 3, 58
Ribes cynosbati, 56; sativum, 56
RITCHIE, DON, Late flowering dates of some common plants of Rockland County, New York, 16
Robinia pseudoacacia, 58
Rosa carolina, 58
Rosenkrans, D. B., 72
Rubus concentrations along the West Virginia-Maryland border, 101
Rubus occidentalis, 57; odoratus, 57
Rutledge, R. W., 72

S

Sabatia foliosa, 42
Sagittaria montevidensis, 86
Salix caroliniana, 54; cinerea, 53; fragilis, 53; humilis, 53; nigra, 53; rigida, 37, 53; sericea, 53; uristis, 54
Sambucus canadensis, 62; pubens, 62
Sanguisorba canadensis, 64
Sassafras albidum, 55
Schuchart, Mary, 73
Schwetschkeopsis denticulata, 21
Sciaromium lescurii, 21
Scirpus hallii, 35
Sesbania exaltata, 39; punicea, 39
Setaria corrugata, 33
Silphium reniforme, 74
Siphonychia diffusa, 37
Smilax glauca, 53; hispida, 53; rotundifolia, 53
Solanum pseudo-capsicum, 44; sisymbrifolium, 44; torreyi, 44
Solidago altissima, 3; serotina, 3; uliginosa, 63
Solvia sessilis, 46
Southeastern Plants, Proposed Check List, of, 75, 112
Sphagnum tubulare, 19
Spirality in plants 1-6
Stachys germanica, 74
Staphylea trifolia, 59
Stenanthium gramineum, 63
Stotler, T. C., 22
Stylosanthes riparia, 64
Symphoricarpos orbiculatus, 62
Syrrhopodon texanus, 20

T

Tagetes minuta, 46
Taraxacum erythrospermum, 47
Taxonomy textbook, A new, 148
Tetraphis pellucida, 20
Thelypteris dentata, 31
THORNE, ROBERT F., Vascular plants previously unreported from Georgia, 29

Thuidium delicatulum, 21
Thuja occidentalis, 74
Tilia heterophylla, 60
Tragia betonicaefolia, 40; linearifolia, 40
TRUE, R. P., Oak Wilt found in West Virginia, 115
Tsuga canadensis, 53
Tuscaloosa meeting, 25, 76
Tussilago farfara in Maryland, 111

U

Ulmus rubra, 55
Uniola nitida, 33
Utricularia foliosa, 44; gibba, 44; olivacea, 44; vulgaris, 44, 91
Vaccinium stamineum, 61; vacillans, 61
Veratrum intermedium, 36
Verbena bonariensis, 43; brasiliensis, 43; literalis, 43; scabra, 43
Vernonia missurica, 47
Viburnum acerifolium, 62; cassinoides, 62; lentago, 62; prunifolium, 62; recognitum, 62
Vicia cracca, 39; micrantha, 39; tetrasperma, 39
Virginia, The Mountain Oat Grass Communities of the region of Mountain Lake, 92; Narcissus poetaz Hort. Naturalized in, 109; with Fernald and Long in southeastern, 117-123; Xerophyllum asphodeloides in the Massanutten Mountains, 124
Visual aids in botany, 24
Vitis aestivalis, 59; labrusca, 59; riparia, 60; vulpina, 60

W

Wahlenbergia marginata, 45
Water Resources Policy Commission, 74
West Virginia, The woody plants of Coopers Rock State Forest, 49-63; New plant records for, 63; Rubus concentrations along the Maryland border, 101; oak wilt found in, 115; The genus Botrychium in, 135; Spring in, 140; Carex pauciflora in, 145
WHERRY, EDGAR T., Two Tree Books (review), 25; An accurate Wild Flower Guide (review), 81; Subspecies of three eastern Phloxes, 97
Whitney, J. B., 72
Wild Flower Pilgrimage, 75
Williams, L. G., 73
Witz, Warren R. (obituary), 142
Wolf, W., (obituary), 23
Wolffia columbiana, 88; papulifera, 35
Wolffiella floridana, 88
WOODS, FRANK, The status of Ilex collina Alexander, 126

X

Xanthoxylum americanum, 58
Xerophyllum asphodeloides, 124
Xyris flabelliformis, 35; serotina, 35

Z

Zephyranthes candida, 36
Zinnia elegans, 46

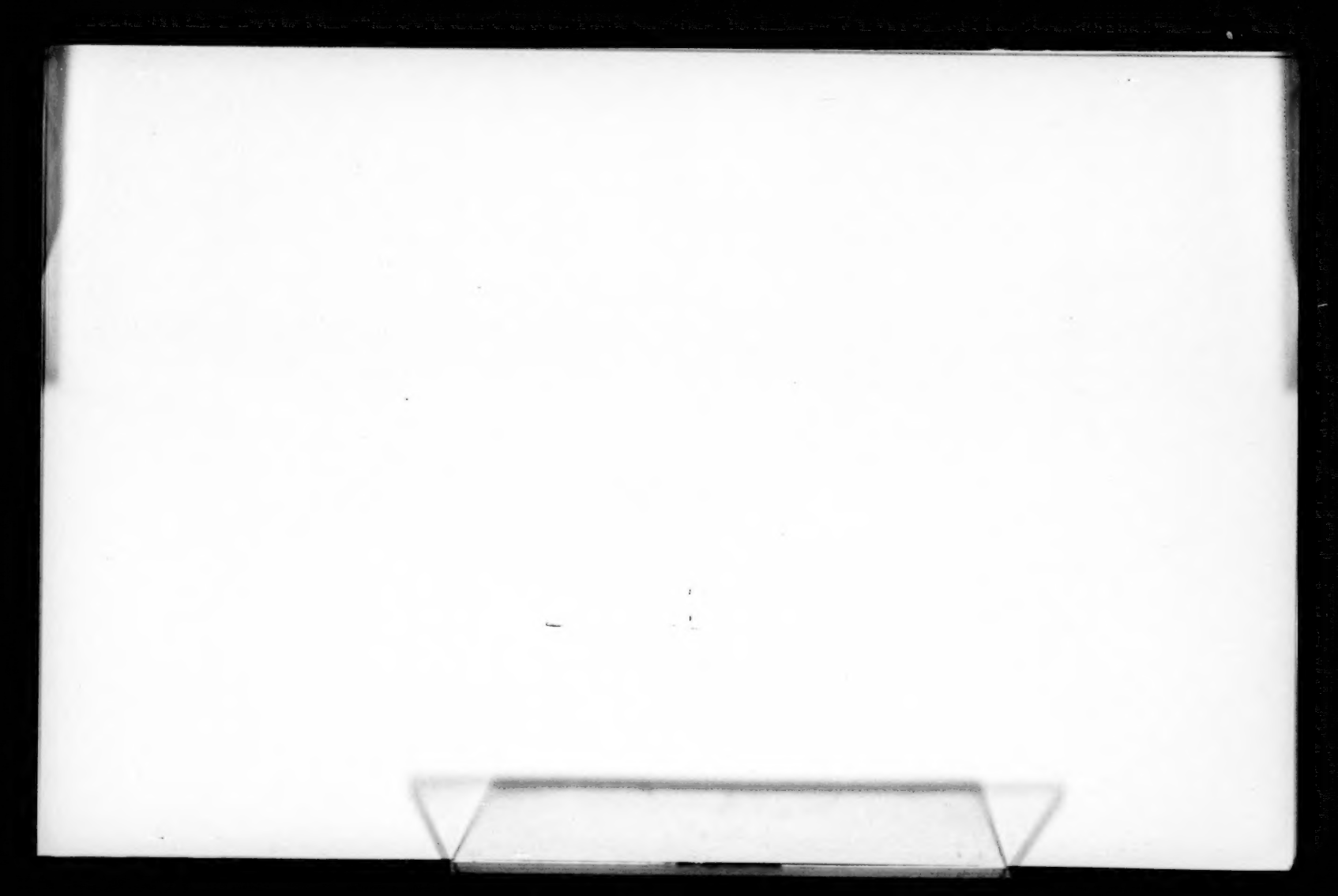

TABLE OF CONTENTS

The Ratios of Clockwise and Counterclockwise Spirality
H. A. Allard 1
Host Distribution of Mistletoe in Kentucky
Clyde F. Reed and Priscilla G. Reed 7
Late Flowering Dates of Some Common Plants of Rockland County, New York
Don Ritchie 16
Three Additions to the Flora of Georgia from the Blue Ridge Mountains
G. W. McDowell 18
The Mosses of King Cove, Lawrence County, Alabama
A. M. Harvill 19
Notes and News 22
Vascular Plants Previously Unreported from Georgia
Robert F. Thorne 29
The Woody Plants of Coopers Rock State Forest
O. D. McCauley 49
New Plant Records for West Virginia
F. W. Hunnewell 63
New or Unusual Forms of Ferns from Maryland and Pennsylvania
Clyde F. Reed 65
Notes & News 72
Book Reviews 80
Distribution of some rarely collected vascular aquatic plants in North Carolina
Albert E. Radford 85
The Mountain Oat Grass Communities of the Region of Mountain Lake, Virginia
William R. Jenkins and Marion A. Ayres 92
Subspecies of three eastern Phloxes
Edgar T. Wherry 97
Rubus concentrations along the West Virginia-Maryland border
H. A. Davis and Tyreeca Davis 101
Red and the Red-kin colors in Bird-visited Flowers
A. L. Pickens 105
Narcissus poetaz Hort. naturalized in Virginia
H. A. Allard 109
An early record of Tussilago farfara in Maryland
Clyde F. Reed 111
Notes and News 112
With Fernald and Long in Southeastern Virginia
Donovan S. Correll 117
Xerophyllum asphodeloides (L.) Nutt. in the Massanutten Mountains in Virginia
Lena Artz 124

The Status of Ilex collina Alexander
FRANK WOODS 126
A White Form of the Seashore Mallow, Kosteletzkya virginica
CYLDE F. REED 128
Drying herbarium specimens slowly or rapidly
H. A. ALLARD 129
The Genus Botrychium in West Virginia
ELIZABETH ANN BARTHOLOMEW 135
Danske Dandridge
EARL L. CORE 138
Notes and News 142
Book Reviews 145